

Page 1:

Please replace the paragraph beginning on line 6 with the following amended paragraph:

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- -The present invention relates to a high-frequency oscillation circuit, and more particularly, to a high-frequency oscillation circuit useful for enhancing sensitivity of various measuring instruments used as weight sensors, chemical sensors, biosensors, viscosity sensors, film thickness meters, gas sensors, floating dust sensors, immunity sensors or the like.--

Please replace the paragraph beginning on line 15 with the following amended paragraph:

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--While recently various measuring instruments using a crystal as a weight sensor, chemical sensor, biosensor, viscosity sensor, film thickness meter or the like have been numerously developed, an urgent need has developed for high precision and highly sensitive measuring instruments to cope with such a demand for diversity of materials to be detected and precise quantitative determination of materials to be detected.--

Please replace the paragraph beginning on line 23, page 1 and ending on page 2, line 9, with the following amended paragraph:

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--As is generally known, however, a wafer used for a crystal oscillator has such a nature as to cause distortion (piezo-electric effect) when a voltage is applied to thin film electrodes attached to both side faces thereof and returns to


its initial state when the voltage is removed. Because of this nature, a crystal oscillates at a natural frequency determined by its thickness. Thereby, in a crystal wafer, when its thickness varies by adsorbing a substance, a basic frequency (i.e., the natural oscillation frequency or basic oscillation frequency) of the crystal oscillator is varied.--

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Please add the two following paragraphs on line 2 immediately preceding the heading "BRIEF DESCRIPTION OF THE DRAWINGS."

--These and other aspects of the present invention are accomplished by a a high-frequency oscillation circuit comprising a closed loop circuit including at least one logic element, the at least one logic element having an input and an output, wherein the closed loop circuit begins at the output and returns to the output of the at least one logic element; a capacitor being disposed within the closed loop circuit; a resistor being disposed within the closed loop circuit; and a crystal oscillator for high frequency being disposed within the closed loop circuit, the crystal oscillator being connected in series with the capacitor and in parallel with the resistor.

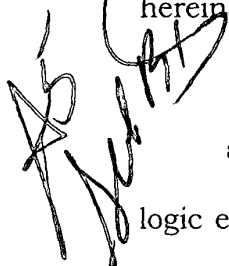
These and other aspects of the present invention are further accomplished by a measuring instrument for measuring a predetermined parameter, the measuring instrument comprising a closed loop, high frequency oscillation circuit including at least one logic element, the at least one logic element having

 an input and an output, wherein the closed loop circuit begins at the output and returns to the output of the at least one logic element; a capacitor being disposed within the closed loop circuit; a resistor being disposed within the closed loop circuit; and a sensor for determining the predetermined parameter, wherein the sensor includes a crystal oscillator for high frequency being disposed within the closed loop circuit, the crystal oscillator being connected in series with the capacitor and in parallel with the resistor and having a natural oscillation frequency, a change in the natural oscillation frequency of the crystal oscillator being indicative of the predetermined parameter.--

IN THE CLAIMS:

Please cancel claims 2 and 10 without prejudice or disclaimer to the subject matter contained therein.

A complete listing of the pending claims is provided hereinafter for the Examiner's convenience. However, please amend the claims as indicated hereinafter:

-  1. (Amended) A high-frequency oscillation circuit comprising:
a closed loop circuit including at least one logic element, said at least one logic element having an input and an output, wherein said closed loop circuit
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